

ALABAMA HUNTING SURVEY

2003 - 2004 SEASON

KEITH McCUTCHEON

STUDY LEADER



Federal Assistance Project

funded by your purchase of
hunting licenses and equipment.

ALABAMA DIVISION OF WILDLIFE AND FRESHWATER
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Alabama Hunting Survey, 2003-2004 Season

There is a great demand for outdoor recreation in Alabama. Hunting makes up a significant portion of that demand and contributes greatly to the state's economy. Hunting seasons are scheduled each year for a wide variety of game animals. In order to make decisions to manage those animals it is necessary to gather as much information as practical concerning hunting activities.

Each year since 1963, the Alabama Wildlife and Freshwater Fisheries Division has conducted a sample survey of the sportsmen licensed to hunt in this state to obtain information in the form of estimates for the number of hunters, man-days of hunting and harvest levels for each of the game species. Survey forms were mailed to a stratified random sample of 7,234, drawn from the 267,099 Alabama hunting licensees. A sample is used because it is not practical to contact everyone who hunts each year. Because of this and other factors it is impossible to determine values that would be entirely free of error. Statistical analysis for 2003-2004 was conducted by Auburn University. Differences in the methodology used for analysis after 2001 has resulted in some subsequent variation in survey results as compared to previous years. Results, however, have remained statistically comparable to levels derived during previous years.

A random sample of the licensed hunters are contacted by mail each year and asked to report their hunting activities. The resulting information is used to develop the estimates needed for management purposes. The estimates presented in this report were developed in that manner. These estimates represent hunting by licensed hunters only, and do not include other legal hunting by hunters (i.e. those hunters not required to hold a license, due to their age or because they hunt on their own property), nor do the estimates include illegal hunting without a license. Table 2 of this report indicates that 240,011 licensed individuals hunted in Alabama during the 2003-2004 season. The latest National Survey of Fishing, Hunting and Wildlife Associated Recreation taken during 2001, indicated 423,000 people (licensed and unlicensed) hunted in Alabama while licensed hunters totaled 242,600 for that year. Comparison of those figures

indicates that hunters who are not required to buy licenses contribute significantly to the overall hunting effort and harvest of game animals in this state.

In reviewing the survey estimates, it is important to recognize that a degree of uncertainty must be associated with each of the estimates. This uncertainty derives from the fact that the estimates are based on a sample of the licensed hunters and not on complete information from all licensed hunters. Consequently, each estimate for a hunting activity is likely to represent a value which deviates to some degree from the actual amount of hunting. A measure of the degree of the uncertainty or "sampling error" associated with each estimate can be determined by analysis of the variability in the survey data. The statistical term for this measure is the "standard error" of the estimate. Standard errors tend to vary with the magnitude of their estimates and are difficult to use for general comparison of the level of uncertainty among estimates. A better index for judging the level of uncertainty is the relative standard error, i.e., the ratio of the standard error over the estimate. Relative standard errors, expressed on a percent basis are provided in the tables, along with the estimates and standard errors for this survey. An estimate with a low percent standard error is more reliable, i.e., has less uncertainty associated with it, than one with a higher percent standard error. We consider those estimates with a percentage standard error less than 15% to be reliable enough to be useful in making management decisions. In cases where the percent error is 15% or above, we must rely more heavily on other types of information for making management decisions.

It is normal for the estimates to fluctuate considerably from one year to the next. Therefore, conclusions based on a single annual survey, regarding the success of a particular season relative to another season may be misleading. However, comparing annual survey estimates over a number of years can be very useful for detecting trends that reflect real changes in hunting activity and harvest levels for a particular species.

The Alabama Hunting Survey estimates are by no means the only source of information concerning hunting and game animal populations in this state. We gain much information from other research and surveys, public comments, nuisance wildlife

complaints, crop damage reports, road kills, occurrence of disease and parasite problems, law enforcement reports, historical information, etc. Wildlife management decisions are not based on the survey estimates alone. All available information is considered in order to develop management programs that meet the needs of Alabama's wildlife resources and the people who enjoy them.

We extend our sincere appreciation to all sportsmen who participated in the Alabama Hunting Survey for the 2003-2004 season and in the surveys for earlier years.

This study was a contribution of the Alabama Wildlife and Freshwater Fisheries Division supported in part by funding from the Federal Assistance in Wildlife Restoration Program, Project W-35, Study 6.

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Table 1. License sales, proportion sampled and response rate

License Type	Sales	Sampled licenses	%Sampled	Response	Response Rate (%)	Hunters	Non-Hunters
A- Non-resident Annual	13,288	897	6.8	620	69	610	10
C- County	12,734	561	4.4	290	52	267	23
H- Lifetime Hunting	9,290	863	9.3	333	39	288	45
L- Lifetime Combination	20,708	2,212	10.7	1,028	46	845	183
S- State	134,447	1,364	1.0	743	54	654	89
T- Non-resident Trip	27,492	834	3.0	512	61	494	18
X- Combination	49,140	503	1.0	319	63	294	25
Total	267,099	7,234	2.7	3,845	53	3,452	393

Note: 1. Survey response rate – Col. 3/Col. 2 x 100.

Statistical analysis for 2003-2004 was conducted by Auburn University. Differences in the methodology used since the 2001-2002 analysis has resulted in some subsequent variation in survey results as compared to previous years. Results, however, remained comparable to levels derived during previous years.

Table 2 Results of Miscellaneous Questions included on the Alabama 2003-2004 Season Hunting Survey

Questions ¹	Estimated number of hunters	Percent of license buyers ²	Standard Error	%SE	Percent of hunters	Standard Error	%SE
Hunted any game	240,011	89.86	1,784	0.7	-	-	-
Hunted on State operated WMA	46,165	17.28	2,480	5.4	19.23 ³	-	-
Hunted deer with dogs	25,861	-	-	-	11.27 ⁴	1,941	7.5
Hunted deer with a muzzle loading firearm	21,571	-	-	-	9.40 ⁴	1,668	7.7
Belonged to an organized hunting club	113,841	42.62	3,073	2.7	47.43 ³	-	-
Used a state operated shooting range	32,583	12.20	2,137	6.6	13.58 ³	-	-

¹ Miscellaneous Questions Included on the Alabama 2003-2004 Season Hunting Survey:

- | | | |
|--|-----|----|
| Did you hunt on a state operated wildlife management area? | Yes | No |
| Did you hunt deer with dogs? | Yes | No |
| Did you hunt deer with a muzzle loading firearm during the special 3 day season? | Yes | No |
| Did you belong to an organized hunting club this season? | Yes | No |
| In the past year, did you use a state operated shooting range? | Yes | No |

² Based on total license sales of 267,099

³ Based on "Hunted any game" estimate of 240,011

⁴ Based on "Gun-hunted deer" estimate of 229,420

Table 3. Results of the Alabama Hunting Survey for the 2003-2004 Season

Species	Season	Number of Hunters			Man-Days of Hunting			Number Harvested		
		Estimate	SE	SE (%)	Estimate	SE	SE (%)	Estimate	SE	SE (%)
Deer ¹	Gun ²	229,400	1,870	0.8	4,424,600	89,419	2.0	483,700	14,153	2.9
	Archery ²	74,500	2,577	3.5	886,300	44,685	5.2	51,300	4,538	8.8
	Combined ²	234,700	1,750	0.7	5,310,900	111,365	2.1	535,100	16,182	3.0
Turkey ¹	Spring	63,800	2,419	3.8	575,400	32,212	5.6	60,000	4,559	7.6
	Fall	5,200	797	15.5	42,800	10,237	23.9	2,800	676	24.2
	Combined	66,900	2,455	3.7	618,200	34,092	5.5	62,800	4,640	7.4
Dove ¹	First Season	80,700	2,582	3.2	273,400	14,279	5.2	1,518,300	73,090	4.9
	Second Season	16,900	1,290	7.6	76,100	7,976	10.5	403,800	35,922	9.1
	Combined Seasons	83,600	2,605	3.1	349,500	19,339	5.5	1,922,100	92,596	4.8
Quail		16,700	1,488	8.9	89,900	13,589	15.1	345,100	52,129	15.1
Squirrel		59,000	2,638	4.5	393,900	36,981	9.4	666,300	52,379	7.9
Rabbit		28,900	2,018	7.0	196,100	24,501	12.5	216,900	33,472	15.4
Raccoon		13,700	1,395	10.1	180,600	36,485	20.2	121,800	36,245	29.8
Opossum		2,300	602	26.5	15,200	7,403	48.6	6,000	2,690	44.5
Fox		2,000	575	28.8	10,600	3,436	32.3	2,300	1,090	47.1
Coyote		17,300	1,567	9.0	210,900	36,640	17.4	28,700	6,226	21.7
Bobcat		7,000	1,036	14.9	58,600	15,860	27.0	7,900	2,066	26.0
Duck		21,800	1,681	7.7	192,000	25,438	13.3	233,800	39,870	17.0
Goose		5,900	911	15.5	35,700	8,177	22.9	10,000	2,615	26.2
Coot		400	181	45.7	2,800	1,072	37.9	2,000	1,013	49.8
Snipe		700	338	48.5	3,500	2,301	65.6	2,200	1,050	48.5
Woodcock		400	238	59.6	700	396	53.5	900	600	70.0
Wild Hog		20,800	1,686	8.1	251,400	37,419	14.9	39,700	7,685	19.4

¹ Estimates for hunters in separate seasons do not sum to the combined estimate because each includes hunters participating in both seasons.

² Gun deer harvest – 47.38 % Bucks and 52.62% does. Archery deer harvest – 33.91% bucks and 66.49% does. Combined deer harvest – 46.09% bucks and 53.91% does.

Table 4. Alabama Hunting Survey Estimates for the 2003-2004 Season

Species	Season	Hunters	Man-Days	Avg. Man-days	Harvest	Bucks	Percent	Does	Percent	Days per Harvest	Harvest per Hunter
Deer ¹	Gun	229,400	4,424,600	19.3	483,700	229,441	47.4	254,300	52.6	9.1	2.1
	Archery	74,500	866,300	11.6	51,300	17,205	33.9	34,100	66.5	16.9	0.7
	Combined	234,700	5,290,900	22.5	535,000	246,645	46.1	288,400	53.9	9.9	2.3
Turkey ¹	Spring	63,800	575,400	9.0	60,000					9.6	0.9
	Fall	5,200	42,800	8.3	2,800					15.33	0.6
	Combined	66,900	618,200	9.2	62,800					9.8	0.9
Dove ¹	First Season	80,700	273,400	3.4	1,518,300					0.2	18.5
	Second Season	16,900	76,100	4.5	403,800					0.2	23.5
	Combined Seasons	83,600	349,500	4.2	1,922,100					0.2	23.0
Quail		16,700	89,900	5.4	345,100					0.3	20.7
Squirrel		59,000	393,900	6.7	666,300					0.6	11.3
Rabbit		28,900	196,100	6.8	216,900					0.9	7.5
Raccoon		13,700	180,600	13.1	121,800					1.5	8.9
Opossum		2,300	15,200	6.7	6,000					2.5	2.6
Fox		2,000	10,600	5.3	2,300					4.6	1.2
Coyote		17,300	210,900	12.2	28,700					7.4	1.7
Bobcat		7,000	58,600	8.4	7,900					7.4	1.1
Duck		21,800	192,000	8.8	233,800					0.8	10.7
Goose		5,900	35,700	6.1	10,000					3.6	1.7
Coot		400	2,800	7.1	2,000					1.4	5.1
Snipe		700	3,500	5.0	2,200					1.6	3.1
Woodcock		400	700	1.9	900					0.9	2.1
Wild Hog		20,800	251,400	12.1	39,700					6.3	1.9

¹ Estimates for hunters in separate seasons do not sum to the combined estimate because each include hunters participating in both seasons.

Table 5. Results of the Alabama Hunting Survey for the 2003-2004 and 2002-2003 Seasons

Species	Season	2003-04			2002-03 ²			Change			%Change		
		Hunters	Days	Harvest	Hunters	Days	Harvest	Hunters	Days	Harvest	Hunters	Days	Harvest
Deer ¹	Gun	229,420	4,424,644	483,749	221,100	3,724,800	454,200	8,320	699,844	29,549	3.76	18.79	6.51
	Archery	74,456	886,253	51,343	67,200	769,600	53,600	7,256	116,653	-2,257	10.80	15.16	-4.21
	Combined	234,682	5,290,987	535,092	227,700	4,494,400	507,800	6,982	796,587	27,292	3.07	17.72	5.37
Turkey ¹	Spring	63,787	575,391	59,951	59,800	513,100	57,100	3,987	62,291	2,851	6.67	12.14	4.99
	Fall	5,160	42,836	2,794	5,500	33,700	5,500	-340	9,136	-2,706	-6.18	27.11	-49.20
	Combined	66,913	618,227	62,745	62,400	546,800	62,600	4,513	71,427	145	7.23	13.06	0.23
Dove ¹	First Season	80,664	273,446	1,518,300	84,800	285,200	1,599,500	-4,136	-11,754	-110,625	-4.88	-4.12	-6.92
	Second Season	16,860	76,058	403,800	17,200	71,500	299,400	-340	4,558	96,610	-1.98	6.37	32.27
	Combined Seasons	83,598	349,505	1,922,100	87,300	356,700	1,898,900	-3,702	-7,195	23,335	-4.24	-2.02	1.23
Quail		16,675	89,948	345,120	17,100	127,300	302,400	-425	-37,352	42,720	-2.49	-29.34	14.13
Squirrel		59,030	393,856	666,312	56,100	326,100	603,700	2,930	67,756	62,612	5.22	20.78	10.37
Rabbit		28,928	196,143	216,889	22,800	149,900	243,100	6,128	46,243	-26,211	26.88	30.85	-10.78
Raccoon		13,747	180,630	121,778	8,700	177,500	99,900	5,047	3,130	21,878	58.01	1.76	21.90
Opossum		2,270	15,236	6,040	1,500	8,500	5,100	770	6,736	940	51.33	79.25	18.43
Fox		1,998	10,646	2,315	1,800	18,300	4,200	198	-7,654	-1,885	11.00	-41.83	-44.88
Coyote		17,336	210,894	28,687	15,700	131,800	26,600	1,636	79,094	2,087	10.42	60.01	7.85
Bobcat		6,959	58,643	7,932	4,300	40,600	4,600	2,659	18,043	3,332	61.84	44.44	72.43
Duck		21,819	192,034	233,811	17,700	123,400	160,300	4,119	68,634	73,511	23.27	55.62	45.86
Goose		5,885	35,749	9,971	3,600	24,800	4,800	2,285	10,949	5,171	63.47	44.15	107.73
Coot		396	2,826	2,032	100	600	600	296	2,226	1,432	296.00	371.00	238.67
Snipe		698	3,509	2,166	400	1,100	2,400	298	2,409	-234	74.50	219.00	-9.75
Woodcock		400	741	857	600	7,500	2,100	-200	-6,759	-1,243	-33.33	-90.12	-59.19
Wild Hog		20,811	251,398	39,691	15,400	120,500	40,700	5,411	130,898	-1,009	35.14	108.63	-2.48

¹ Estimates for hunters in separate seasons do not sum to the combined estimate because each include hunters participating in both seasons.

² Source: Alabama Division of Wildlife and Freshwater Fisheries, *Alabama Hunting Survey: 2002-2003 Season*, Grant Number W-35, Study 6, October 2003.

ALABAMA DEER HARVEST ESTIMATES
COMBINED GUN AND ARCHERY

Season	Harvest	Bucks	% Bucks	Does	% Does
1984-85	237,000	173,000	73	64,000	27
1985-86	280,000	210,000	75	70,000	25
1986-87	300,000	228,000	76	72,000	24
1987-88	323,000	242,000	75	81,000	25
1988-89	275,000	201,000	73	74,000	27
1989-90	242,000	179,000	74	63,000	26
1990-91	294,000	206,000	70	88,000	30
1991-92	295,000	201,000	68	94,000	32
1992-93	293,000	196,000	67	97,000	33
1993-94	350,000	238,000	68	112,000	32
1994-95	331,000	228,000	69	103,000	31
1995-96	398,000	259,000	65	139,000	35
1996-97	367,000	253,000	69	114,000	31
1997-98	423,000	267,000	63	156,000	37
1998-99	390,000	222,000	57	168,000	43
1999-00	416,000	228,000	55	188,000	45
2000-01	478,000	234,000	49	244,000	51
2001-02	411,000	206,000	50	205,000	50
2002-03	508,000	259,000	51	249,000	49
2003-04	535,000	247,000	46	288,000	54

Harvest estimates rounded to the nearest 1,000

Percentages rounded to the nearest whole number

The statistical analysis on this table and the following tables for 2002-2003 and after was conducted by Auburn University. Differences in the methodology used for analysis after 2001-2002 resulted in some subsequent variation in survey results as compared to previous years. Results, however, remained comparable to levels derived during previous years.

ALABAMA HUNTING SURVEY ESTIMATES
DEER - GUN & ARCHERY COMBINED

Year	Hunters	Man-Days	Average Man-Days	Harvest	Man-Days Per Harvest	Harvest Per Hunter
1963-64	87,967	312,039	3.5	31,123	10.0	0.4
1964-65	96,764	682,580	7.1	59,230	11.5	0.6
1965-66	93,550	668,391	7.1	37,819	17.7	0.4
1966-67	118,145	796,020	6.7	47,842	16.6	0.4
1967-68	133,676	985,420	7.4	68,406	14.4	0.5
1968-69	115,368	825,917	7.2	63,674	13.0	0.6
1969-70	148,306	1,213,630	8.2	74,239	16.3	0.5
1970-71	146,952	1,188,500	8.1	63,502	18.7	0.4
1971-72	152,753	1,288,980	8.4	80,184	16.1	0.5
1972-73	160,280	1,337,769	8.3	82,555	16.2	0.5
1973-74	172,998	1,613,010	9.3	121,953	13.2	0.7
1974-75	196,406	2,006,080	10.2	120,727	16.6	0.6
1975-76	210,556	2,122,670	10.1	125,625	16.9	0.6
1976-77	206,370	2,175,510	10.5	144,155	15.1	0.7
1977-78	214,364	2,338,130	10.9	147,113	15.9	0.7
1978-79	215,955	2,489,310	11.5	152,733	16.3	0.7
1979-80	211,309	2,439,100	11.5	140,685	17.3	0.7
1980-81	208,838	2,671,280	12.8	130,532	20.5	0.6
1981-82	209,871	2,605,730	12.4	202,449	12.9	1.0
1982-83	203,883	2,803,450	13.8	141,281	19.8	0.7
1983-84	196,706	2,658,670	13.5	192,231	13.8	1.0
1984-85	208,227	3,006,620	14.4	237,378	12.7	1.1
1985-86	211,522	3,075,800	14.5	280,436	11.0	1.3
1986-87	215,764	3,515,220	16.3	300,115	11.7	1.4
1987-88	221,285	3,588,490	16.2	322,977	11.1	1.5
1988-89	195,032	3,306,050	17.0	275,032	12.0	1.4
1989-90	186,211	3,064,900	16.5	242,033	12.7	1.3
1990-91	200,700	3,549,200	17.7	294,400	12.1	1.5
1991-92	205,200	3,617,100	17.6	295,000	12.3	1.4
1992-93	211,100	3,849,400	18.2	293,100	13.1	1.4
1993-94	210,600	4,184,200	19.9	350,500	11.9	1.7
1994-95	211,200	3,998,800	18.9	331,000	12.1	1.6
1995-96	229,600	4,304,700	18.7	398,100	10.8	1.7
1996-97	220,900	3,816,800	17.3	366,800	10.4	1.7
1997-98	217,300	3,978,100	18.3	423,400	9.4	2.0
1998-99	210,600	3,830,700	18.2	390,300	9.8	1.9
1999-00	221,700	4,120,100	18.6	415,700	9.9	1.9
2000-01	218,400	4,167,600	19.1	478,700	8.7	2.2
2001-02	213,400	3,900,600	18.3	410,700	9.5	1.9
2002-03	227,700	4,494,400	19.7	507,800	8.9	2.2
2003-04	234,700	5,290,900	22.5	535,000	9.9	2.3

ALABAMA HUNTING SURVEY ESTIMATES
DEER - GUN

Year	Hunters	Man-Days	Average Man-days	Harvest	Man-Days Per Harvest	Harvest Per Hunter
1986-87	213,471	3,167,030	14.8	288,487	11.7	1.4
1987-88	219,280	3,259,690	14.9	309,517	10.5	1.4
1988-89	191,862	2,891,790	15.1	257,734	11.2	1.3
1989-90	182,080	2,663,680	14.6	225,077	11.8	1.2
1990-91	193,600	2,997,000	15.5	263,100	11.4	1.4
1991-92	199,700	2,998,000	15.0	269,500	11.1	1.3
1992-93	203,300	3,189,100	15.7	261,500	12.2	1.3
1993-94	204,000	3,421,300	16.8	305,300	11.2	1.5
1994-95	203,700	3,310,900	16.3	290,600	11.4	1.4
1995-96	223,700	3,564,100	15.9	353,000	10.1	1.6
1996-97	217,400	3,288,400	15.1	334,200	9.8	1.5
1997-98	212,400	3,357,500	15.8	367,900	9.1	1.7
1998-99	204,800	3,190,700	15.6	349,000	9.1	1.7
1999-00	215,300	3,378,600	15.7	368,500	9.2	1.7
2000-01	213,200	3,571,400	16.7	435,100	8.2	2.0
2001-02	210,900	3,359,900	15.9	376,200	8.9	1.8
2002-03	221,100	3,724,800	16.8	454,200	8.2	2.1
2003-04	229,400	4,424,600	19.3	483,700	9.2	2.1

ALABAMA HUNTING SURVEY ESTIMATES
DEER - ARCHERY

Year	Hunters	Man-Days	Average Man-Days	Harvest	Man-Days Per Harvest	Harvest Per Hunter
1986-87	37,426	345,619	9.2	17,653	19.6	0.5
1987-88	42,023	336,770	8.0	15,683	21.5	0.4
1988-89	44,259	416,278	9.4	18,854	22.1	0.4
1989-90	40,232	391,557	9.7	20,798	18.8	0.5
1990-91	53,200	552,200	10.4	31,300	17.6	0.6
1991-92	58,900	619,100	10.5	25,500	24.3	0.4
1992-93	61,500	660,300	10.7	31,600	20.9	0.5
1993-94	66,300	762,900	11.5	45,200	16.9	0.7
1994-95	58,900	687,900	11.7	40,400	17.0	0.7
1995-96	70,900	740,600	10.4	45,100	16.4	0.6
1996-97	61,100	528,400	8.6	32,600	16.2	0.5
1997-98	64,300	620,600	9.6	55,500	11.2	0.9
1998-99	59,100	640,000	10.8	41,300	15.5	0.7
1999-00	69,600	741,500	10.7	47,200	15.7	0.7
2000-01	65,700	596,200	9.1	43,600	13.7	0.7
2001-02	55,400	540,700	9.9	34,500	15.7	0.6
2002-03	67,200	769,600	11.4	53,600	14.3	0.8
2003-04	74,500	866,300	11.6	51,300	16.9	0.7

ALABAMA HUNTING SURVEY ESTIMATES
TURKEY - FALL & SPRING SEASONS COMBINED

Year	Hunters	Man-Days	Average Man-Days	Harvest	Man-Days Per Harvest	Harvest Per Hunter
1963-64	36,579	148,464	4.1	15,784	9.4	0.4
1964-65	36,358	171,534	4.7	22,556	7.6	0.6
1965-66	51,629	265,499	5.1	33,849	7.8	0.7
1966-67	47,889	243,227	5.1	23,931	10.2	0.5
1967-68	52,256	252,489	4.8	39,978	6.3	0.8
1968-69	32,656	205,609	6.3	21,761	9.4	0.7
1969-70	37,918	255,649	6.7	28,188	9.1	0.7
1970-71	33,114	211,361	6.4	19,290	11.0	0.6
1971-76						
1976-77	42,738	319,279	7.5	41,434	7.7	1.0
1977-78	45,789	308,513	6.7	40,556	7.6	0.9
1978-79	42,674	282,180	6.6	25,115	11.2	0.6
1979-80	46,889	328,198	7.0	30,341	10.8	0.6
1980-81	51,558	358,538	7.0	28,243	12.7	0.5
1981-82	49,201	326,796	6.6	35,441	9.2	0.7
1982-83	47,817	341,853	7.1	30,138	11.3	0.6
1983-84	49,783	408,771	8.2	45,723	8.9	0.9
1984-85	50,063	397,426	7.9	48,341	8.2	1.0
1985-86	50,945	394,432	7.7	57,712	6.8	1.1
1986-87	49,384	398,468	8.1	49,245	8.1	1.0
1987-88	57,578	450,351	7.8	54,265	8.3	0.9
1988-89	44,367	381,641	8.6	50,699	7.5	1.1
1989-90	45,346	353,560	7.8	33,290	10.6	0.7
1990-91	47,300	355,600	7.5	38,400	9.3	0.8
1991-92	50,100	436,800	8.7	34,300	12.7	0.7
1992-93	45,400	389,700	8.6	33,200	11.7	0.7
1993-94	51,200	382,900	7.5	43,600	8.8	0.9
1994-95	48,800	400,400	8.2	46,200	8.7	1.0
1995-96	56,100	400,300	7.1	41,000	9.8	0.7
1996-97	52,300	361,500	6.9	42,200	8.6	0.8
1997-98	54,800	385,400	7.0	46,400	8.3	0.9
1998-99	55,100	379,500	6.9	37,000	10.3	0.7
1999-00	49,800	364,100	7.3	32,900	11.1	0.7
2000-01	56,700	396,300	7.0	45,700	8.7	0.8
2001-02	54,500	409,700	7.5	39,000	10.5	0.7
2002-03	62,400	546,800	8.8	62,600	8.7	1.0
2003-04	66,900	618,200	9.2	62,800	9.9	0.9

ALABAMA HUNTING SURVEY ESTIMATES
TURKEY - SPRING SEASONS

Year	Hunters	Man-Days	Average Man-Days	Harvest	Man-Days Per Harvest	Harvest Per Hunter
1972	23,594	125,805	5.3	10,615	11.9	0.4
1973	25,273	157,809	6.2	12,675	12.5	0.5
1974	23,983	130,730	5.5	11,178	11.7	0.5
1975	26,934	176,526	6.6	16,048	11.0	0.6
1976	27,703	150,617	5.4	17,615	8.6	0.6
1977	30,997	216,282	7.0	19,745	11.0	0.6
1978	33,114	200,129	6.0	31,267	6.4	0.9
1979	31,269	201,245	6.4	16,470	12.2	0.5
1980	34,449	217,039	6.3	19,595	11.1	0.6
1981	36,243	236,790	6.5	15,669	15.1	0.4
1982	35,925	232,428	6.5	24,702	9.4	0.7
1983	36,014	225,347	6.3	20,761	10.9	0.6
1984	39,155	299,133	7.6	26,254	11.4	0.7
1985	37,901	280,708	7.4	37,039	7.6	1.0
1986	40,784	309,279	7.6	43,833	7.1	1.1
1987	38,150	297,422	7.8	37,540	7.9	1.0
1988	47,204	359,730	7.6	45,835	7.8	1.0
1989	38,521	317,734	8.2	43,718	7.3	1.1
1990	38,713	304,193	7.9	29,138	10.4	0.8
1991	41,400	310,200	7.5	33,200	9.3	0.8
1992	43,000	387,600	9.0	30,900	12.5	0.7
1993	40,000	339,700	8.5	29,100	11.7	0.7
1994	47,000	349,100	7.4	40,400	8.6	0.9
1995	43,300	348,900	8.1	41,200	8.5	1.0
1996	51,900	361,200	7.0	37,400	9.7	0.7
1997	48,400	334,700	6.9	39,000	8.6	0.8
1998	51,800	362,400	7.0	41,800	8.7	0.8
1999	51,600	358,600	6.9	35,300	10.2	0.7
2000	47,300	345,900	7.3	31,400	11.0	0.7
2001	53,800	374,700	7.0	43,000	8.7	0.8
2002	50,100	389,800	7.8	36,300	10.7	0.7
2003	59,800	513,100	8.6	57,100	9.0	1.0
2004	63,800	575,400	9.0	60,000	9.6	0.9

ALABAMA HUNTING SURVEY ESTIMATES
TURKEY - FALL SEASONS

Year	Hunters	Man-Days	Average Man-Days	Harvest	Man-Days Per Harvest	Harvest Per Hunter
1971	17,593	84,895	4.8	8,869	9.6	0.5
1972	21,075	114,537	5.4	15,989	7.2	0.8
1973	20,334	106,753	5.2	10,059	10.6	0.5
1974	18,358	116,083	6.3	10,832	10.7	0.6
1975	19,299	91,490	4.7	13,487	6.8	0.7
1976	18,117	103,745	5.7	10,476	9.9	0.6
1977	22,264	108,289	4.9	10,863	10.0	0.5
1978	16,501	81,938	5.0	9,805	8.4	0.6
1979	17,935	112,369	6.3	11,923	9.4	0.7
1980	21,340	121,257	5.7	11,873	10.2	0.6
1981	18,454	92,547	5.0	10,979	8.4	0.6
1982	18,664	116,506	6.2	9,378	12.4	0.5
1983	17,497	103,025	5.9	17,490	5.9	1.0
1984	18,178	114,093	6.3	11,107	10.3	0.6
1985	15,529	82,564	5.3	15,424	5.4	1.0
1986	15,803	92,404	5.8	12,921	7.2	0.8
1987	15,728	86,904	5.5	7,765	11.2	0.5
1988	9,312	63,224	6.8	6,972	9.1	0.7
1989	9,837	47,795	4.9	3,568	13.4	0.4
1990	8,000	45,400	5.7	5,200	8.7	0.7
1991	9,500	49,200	5.2	3,400	14.5	0.4
1992	8,700	50,000	5.7	4,100	12.2	0.5
1993	7,200	33,800	4.7	3,200	10.6	0.4
1994	7,500	51,500	6.9	5,000	10.3	0.7
1995	6,800	39,100	5.8	3,600	10.9	0.5
1996	7,600	26,800	3.5	3,200	8.4	0.4
1997	5,100	23,000	4.5	4,600	5.0	0.9
1998	5,200	20,900	4.0	1,700	12.3	0.3
1999	4,300	18,200	4.2	1,500	12.1	0.4
2000	4,900	21,600	4.4	2,700	8.0	0.6
2001	5,000	19,900	4.0	2,700	7.4	0.5
2002	5,500	33,700	6.1	5,500	6.1	1.0
2003	5,200	42,800	8.3	2,800	15.3	0.6

ALABAMA HUNTING SURVEY ESTIMATES
DOVE

Year	Hunters	Man-Days	Average Man-Days	Harvest	per Man- Day	Harvest Per Hunter
1963-64	118,173	496,381	4.2	2,135,659	4.3	18.1
1964-65	101,975	489,185	4.8	2,068,696	4.2	20.3
1965-66	122,804	580,504	4.7	2,476,506	4.3	20.2
1966-67	122,442	641,052	5.2	2,588,717	4.0	21.1
1967-68	129,641	673,978	5.2	2,702,734	4.0	20.8
1968-69	110,851	566,116	5.1	2,447,347	4.3	22.1
1969-70	104,302	680,621	6.5	3,499,330	5.1	33.5
1970-71	96,775	673,235	7.0	3,375,050	5.0	34.9
1971-76						
1976-77	137,915	895,204	6.5	4,113,310	4.6	29.8
1977-78	136,784	930,350	6.8	4,309,020	4.6	31.5
1978-79	114,443	715,221	6.2	3,661,140	5.1	32.0
1979-80	102,041	591,462	5.8	3,160,950	5.3	31.0
1980-81	111,296	771,187	6.9	3,362,490	4.4	30.2
1981-82	104,289	643,016	6.2	3,372,020	5.2	32.3
1982-83	94,375	600,797	6.4	3,052,110	5.1	32.3
1983-84	97,282	594,374	6.1	3,517,060	5.9	36.2
1984-85	99,268	589,132	5.9	2,858,280	4.9	28.8
1985-86	102,999	564,424	5.5	2,698,040	4.8	26.2
1986-87	102,418	594,776	5.8	3,644,370	6.1	35.6
1987-88	89,355	422,257	4.7	2,430,110	5.8	27.2
1988-89	81,062	457,676	5.6	2,488,560	5.4	30.7
1989-90	84,109	419,242	5.0	2,247,490	5.4	26.7
1990-91	87,800	376,000	4.3	2,262,500	6.0	25.8
1991-92	83,600	394,100	4.7	2,050,300	5.2	24.5
1992-93	82,700	391,512	4.7	1,873,500	4.8	22.7
1993-94	82,700	389,200	4.7	2,032,500	5.2	24.6
1994-95	76,500	367,800	4.8	1,864,700	5.1	24.4
1995-96	91,300	357,600	3.9	1,971,100	5.5	21.6
1996-97	80,600	298,700	3.7	1,618,400	5.4	20.1
1997-98	78,600	293,300	3.7	1,490,800	5.1	19.0
1998-99	73,500	284,400	3.9	1,355,900	4.8	18.5
1999-00	69,800	227,800	3.3	1,191,300	5.2	17.1
2000-01	79,100	286,000	3.6	1,512,500	5.3	19.1
2001-02	84,600	328,000	3.9	1,455,800	4.4	17.2
2002-03	87,300	356,700	4.1	1,898,900	5.3	21.8
2003-04	83,600	349,500	4.2	1,922,100	5.5	22.9

ALABAMA HUNTING SURVEY ESTIMATES
SQUIRREL

Years	Hunters	Man-Days	Average Man-Days	Harvest	Per Man-Day	Per Hunter
1963-64	184,777	1,193,517	6.5	2,142,634	1.8	11.6
1964-65	168,792	1,321,849	7.8	2,341,374	1.8	13.9
1965-66	169,512	1,330,389	7.8	2,485,665	1.9	14.7
1966-67	187,481	1,391,877	7.4	2,367,959	1.7	12.6
1967-68	176,644	1,189,821	6.7	2,100,462	1.8	11.9
1968-69	146,157	949,240	6.5	1,605,126	1.7	11.0
1969-70	172,859	1,183,491	6.8	1,984,910	1.7	11.5
1970-71	173,424	1,164,630	6.7	1,894,490	1.6	10.9
1971-72	160,169	1,038,240	6.5	2,240,820	2.2	14.0
1972-73	157,965	995,320	6.3	2,105,950	2.1	13.3
1973-74	166,156	1,094,290	6.6	1,964,940	1.8	11.8
1974-75	172,752	1,191,380	6.9	2,082,590	1.7	12.1
1975-76	180,807	1,114,910	6.2	2,046,850	1.8	11.3
1976-77	173,608	1,077,710	6.2	1,893,800	1.8	10.9
1977-78	164,635	1,029,870	6.3	1,870,460	1.8	11.4
1978-79	160,100	995,335	6.2	1,804,090	1.8	11.3
1979-80	143,020	957,852	6.7	1,665,540	1.7	11.6
1980-81	145,342	1,010,940	7.0	1,696,760	1.7	11.7
1981-82	131,031	845,711	6.5	1,489,670	1.8	11.4
1982-83	121,027	794,733	6.6	1,453,990	1.8	12.0
1983-84	113,208	707,865	6.3	1,420,510	2.0	12.5
1984-85	121,923	890,112	7.3	1,635,570	1.8	13.4
1985-86	106,365	702,701	6.6	1,177,610	1.7	11.1
1986-87	109,348	784,783	7.2	1,375,910	1.8	12.6
1987-88	108,211	700,195	6.5	1,262,200	1.8	11.7
1988-89	87,192	645,717	7.4	1,078,540	1.7	12.4
1989-90	75,312	505,221	6.7	836,574	1.7	11.1
1990-91	79,600	485,200	6.1	893,900	1.8	11.2
1991-92	77,700	596,100	7.7	961,400	1.6	12.4
1992-93	71,800	452,200	6.3	737,400	1.6	10.3
1993-94	67,900	481,300	7.1	806,600	1.7	11.9
1994-95	62,800	425,600	6.8	709,400	1.7	11.3
1995-96	63,600	359,100	5.6	558,200	1.6	8.8
1996-97	66,800	400,000	6.0	700,200	1.8	10.5
1997-98	67,400	388,900	5.8	741,300	1.9	11.0
1998-99	57,600	342,600	5.9	539,700	1.6	9.4
1999-00	56,600	333,300	5.9	517,200	1.6	9.1
2000-01	53,600	310,400	5.8	567,600	1.8	10.6
2001-02	63,900	318,900	5.0	577,000	1.8	9.0
2002-03	56,100	326,100	5.8	603,700	1.9	10.8
2003-04	59,000	393,900	6.7	666,300	1.7	11.3

ALABAMA HUNTING SURVEY ESTIMATES
QUAIL

Year	Hunters	Man-Days	Average Man-Days	Harvest	Per Man- Day	Harvest Per Hunter
1963-64	99,666	742,007	7.4	1,829,750	2.5	18.4
1964-65	85,279	677,547	7.9	2,090,480	3.1	24.5
1965-66	85,410	692,021	8.1	2,094,842	3.0	24.5
1966-67	92,845	964,456	10.4	2,762,970	2.9	29.8
1967-68	96,073	781,538	8.1	2,160,603	2.8	22.5
1968-69	86,957	691,435	8.0	1,880,044	2.7	21.6
1969-70	104,482	745,972	7.1	2,243,670	3.0	21.5
1970-71	97,352	830,028	8.5	2,318,180	2.8	23.8
1971-72	95,551	800,286	8.4	2,538,020	3.2	26.6
1972-73	86,285	784,585	9.1	2,238,840	2.9	25.9
1973-74	89,144	706,685	7.9	2,160,300	3.1	24.2
1974-75	91,730	807,784	8.8	2,310,190	2.9	25.2
1975-76	86,896	656,097	7.6	1,732,900	2.6	19.9
1976-77	82,045	671,470	8.2	1,807,050	2.7	22.0
1977-78	77,459	577,702	7.5	1,627,530	2.8	21.0
1978-79	71,687	584,374	8.2	1,657,960	2.8	23.1
1979-80	64,964	529,162	8.1	1,593,310	3.0	24.5
1980-81	66,288	509,384	7.7	1,382,800	2.7	20.9
1981-82	56,064	427,408	7.6	1,081,340	2.5	19.3
1982-83	45,780	331,482	7.2	1,010,940	3.0	22.1
1983-84	44,365	342,679	7.7	1,033,480	3.0	23.3
1984-85	45,873	416,788	9.1	930,746	2.2	20.3
1985-86	40,906	342,966	8.4	754,152	2.2	18.4
1986-87	37,333	274,860	7.4	678,251	2.5	18.2
1987-88	31,611	226,708	7.2	676,566	3.0	21.4
1988-89	28,050	251,726	9.0	560,722	2.2	20.0
1989-90	25,549	227,397	8.9	381,964	1.7	15.0
1990-91	26,200	235,400	9.0	544,300	2.3	20.8
1991-92	23,200	179,500	7.7	389,200	2.2	16.8
1992-93	23,100	144,200	6.2	379,600	2.6	16.4
1993-94	23,100	169,700	7.3	407,500	2.4	17.6
1994-95	17,800	148,100	8.3	342,300	2.3	19.2
1995-96	25,100	170,500	6.8	405,600	2.4	16.2
1996-97	17,200	90,800	5.3	244,600	2.7	14.2
1997-98	16,500	97,900	5.9	268,200	2.7	16.3
1998-99	15,500	82,300	5.3	201,700	2.4	13.0
1999-00	14,000	89,500	6.4	206,700	2.3	14.8
2000-01	12,100	61,100	5.0	128,900	2.1	10.7
2001-02	14,700	64,200	4.4	158,600	2.5	10.8
2002-03	17,100	127,300	7.5	302,400	2.4	17.7
2003-04	16,700	89,900	5.4	345,100	3.8	20.7

ALABAMA HUNTING SURVEY ESTIMATES
RABBIT

Year	Hunters	Man-Days	Average Man-Days	Harvest	Harvest Per Man-Day	Harvest Per Hunter
1963-64	118,939	739,493	6.2	1,134,873	1.5	9.5
1964-65	106,084	705,361	6.6	988,592	1.4	9.3
1965-66	113,393	731,993	6.5	979,090	1.3	8.6
1966-67	116,313	779,064	6.7	1,067,937	1.4	9.2
1967-68	110,332	783,119	7.1	1,200,333	1.5	10.9
1968-69	90,656	617,776	6.8	891,308	1.4	9.8
1969-70	133,628	676,336	5.1	1,062,140	1.6	7.9
1970-71	105,547	754,438	7.1	899,294	1.2	8.5
1971-72	86,662	630,212	7.3	1,098,610	1.7	12.7
1972-73	83,438	557,014	6.7	943,631	1.7	11.3
1973-74	89,119	544,735	6.1	719,921	1.3	8.1
1974-75	105,135	727,554	6.9	946,549	1.3	9.0
1975-76	105,255	649,802	6.2	843,956	1.3	8.0
1976-77	96,978	594,283	6.1	863,289	1.5	8.9
1977-78	91,940	529,007	5.8	772,045	1.5	8.4
1978-79	88,595	460,055	5.2	676,046	1.5	7.6
1979-80	74,861	478,074	6.4	595,547	1.2	8.0
1980-81	83,586	578,360	6.9	776,996	1.3	9.3
1981-82	78,714	498,195	6.3	679,296	1.4	8.6
1982-83	69,263	466,398	6.7	681,203	1.5	9.8
1983-84	60,079	377,382	6.3	518,228	1.4	8.6
1984-85	64,733	433,780	6.7	542,639	1.3	8.4
1985-86	55,489	367,049	6.6	420,729	1.1	7.6
1986-87	56,219	428,443	7.6	523,923	1.2	9.3
1987-88	53,830	348,965	6.5	514,994	1.5	9.6
1988-89	40,090	294,097	7.3	353,933	1.2	8.8
1989-90	33,400	245,698	7.4	282,374	1.1	8.5
1990-91	40,300	235,700	5.8	248,900	1.1	6.2
1991-92	36,000	271,700	7.5	254,000	0.9	7.1
1992-93	33,700	249,200	7.4	234,100	0.9	6.9
1993-94	33,400	250,600	7.5	246,400	1.0	7.4
1994-95	31,100	228,700	7.4	246,500	1.1	7.9
1995-96	38,100	250,600	6.6	233,200	0.9	6.1
1996-97	30,400	187,300	6.2	217,100	1.2	7.1
1997-98	31,100	212,000	6.8	222,800	1.0	7.2
1998-99	29,100	161,600	5.6	163,200	1.0	5.6
1999-00	29,900	192,500	6.4	172,600	0.9	5.8
2000-01	26,600	161,600	6.1	157,100	1.0	5.9
2001-02	33,600	158,700	4.7	174,500	1.1	5.2
2002-03	22,800	149,800	6.6	243,100	1.6	10.6
2003-04	28,900	196,100	6.8	216,900	1.1	7.5

ALABAMA HUNTING SURVEY ESTIMATES
RACCOON

Year	Hunters	Man-Days	Average Man-Days	Harvest	Harvest Per Man-Day	Harvest Per Hunter
1963-64	25,388	217,840	8.6	180,537	0.8	7.1
1964-65	26,743	315,487	11.8	211,017	0.7	7.9
1965-66	25,345	214,422	8.5	174,035	0.8	6.9
1966-67	27,126	201,738	7.4	173,477	0.9	6.4
1967-68						
1968-69						
1969-70	30,610	284,073	9.3	201,065	0.7	6.6
1970-71						
1971-72						
1972-73	24,438	237,210	9.7	199,511	0.8	8.2
1973-74						
1974-75						
1975-76	33,972	275,034	8.1	299,280	1.1	8.8
1976-77						
1977-78						
1978-79						
1979-80	24,846	294,722	11.9	234,099	0.8	9.4
1980-81	25,201	327,785	13.0	207,943	0.6	8.3
1981-82	24,888	282,675	11.4	155,270	0.5	6.2
1982-83	21,762	254,866	11.7	177,620	0.7	8.2
1983-84	17,317	150,983	8.7	125,663	0.8	7.3
1984-85	20,571	217,285	10.6	139,424	0.6	6.8
1985-86	18,710	208,009	11.1	151,539	0.7	8.1
1986-87	18,721	267,086	14.3	144,797	0.5	7.7
1987-88	20,893	225,519	10.8	163,660	0.7	7.8
1988-89	15,742	242,121	15.4	128,303	0.5	8.2
1989-90	12,104	203,958	16.9	123,166	0.6	10.2
1990-91	11,800	157,700	13.4	80,500	0.5	6.8
1991-92	14,900	165,500	11.1	69,700	0.4	4.7
1992-93	8,900	128,000	14.4	53,000	0.4	6.0
1993-94	11,200	162,500	14.5	74,800	0.5	6.7
1994-95	10,700	142,700	13.3	78,200	0.5	7.3
1995-96	13,800	144,300	10.5	85,000	0.6	6.2
1996-97	12,600	129,000	10.2	65,900	0.5	5.2
1997-98	10,900	135,100	12.4	92,400	0.7	8.5
1998-99	9,500	101,600	10.7	64,100	0.6	6.8
1999-00	9,700	109,000	11.2	49,700	0.5	5.1
2000-01	11,400	101,200	8.9	67,000	0.7	5.9
2001-02	10,000	85,800	8.6	53,600	0.6	5.4
2002-03	8,700	177,500	20.4	99,900	0.6	11.5
2003-04	13,700	180,600	13.1	121,800	0.7	8.9

ALABAMA HUNTING SURVEY ESTIMATES
OPOSSUM

Year	Hunters	Man-Days	Average Man-Days	Harvest	Per Man-Day	Harvest Per Hunter
1963-64	22,852	127,095	5.6	138,039	1.1	6.0
1964-65	16,116	137,741	8.5	101,284	0.7	6.3
1965-66	17,954	106,591	5.9	115,986	1.1	6.5
1966-67	20,344	127,636	6.3	153,052	1.2	7.5
1967-68						
1968-69						
1969-70	16,318	88,675	5.4	93,205	1.1	5.7
1970-71						
1971-72						
1972-73	12,117	113,689	9.4	126,001	1.1	10.4
1973-74						
1974-75						
1975-76	17,998	93,129	5.2	152,992	1.6	8.5
1976-77						
1977-78						
1978-79						
1979-80	10,172	76,987	7.6	98,494	1.3	9.7
1980-81	10,891	87,500	8.0	61,821	0.7	5.7
1981-82	8,880	81,408	9.2	74,911	0.9	8.4
1982-83	8,016	72,444	9.0	67,781	0.9	8.5
1983-84	6,356	43,514	6.8	44,938	1.0	7.1
1984-85	5,213	31,013	5.9	31,114	1.0	6.0
1985-86	5,043	42,656	8.5	35,590	0.8	7.1
1986-87	4,197	56,696	13.5	34,580	0.6	8.2
1987-88	4,575	38,067	8.3	30,904	0.8	6.8
1988-89	2,382	23,823	10.0	18,812	0.8	7.9
1989-90	1,975	25,478	12.9	13,507	0.5	6.8
1990-91	2,800	32,700	11.7	20,300	0.6	7.3
1991-92	2,000	12,500	6.3	7,800	0.6	3.9
1992-93	1,300	24,300	18.7	7,900	0.3	6.1
1993-94	1,600	17,700	11.1	7,200	0.4	4.5
1994-95	1,000	9,800	9.8	7,800	0.8	7.8
1995-96	2,200	6,000	2.7	9,200	1.5	4.2
1996-97	2,300	20,300	8.8	8,200	0.4	3.6
1997-98	1,800	10,300	5.7	8,600	0.8	4.8
1998-99	1,800	19,300	10.7	9,000	0.5	5.0
1999-00	1,900	13,500	7.1	1,700	0.1	0.9
2000-01	1,800	26,300	14.6	9,500	0.4	5.3
2001-02	1,700	4,500	2.6	5,700	1.3	3.3
2002-03	1,500	8,500	5.5	5,100	0.6	3.3
2003-04	2,300	15,200	6.7	6,000	0.4	2.6

ALABAMA HUNTING SURVEY ESTIMATES

FOX

Year	Hunters	Man-Days	Average Man-Days	Harvest	Harvest Per Man-Day	Harvest Per Hunter
1963-64	9,216	84,523	9.2	28,911	0.3	3.1
1964-65	4,383	49,819	11.4	6,972	0.1	1.6
1965-66	6,801	97,775	14.4	26,188	0.3	3.9
1966-67	7,516	72,549	9.7	16,714	0.2	2.2
1967-68						
1968-69						
1969-70	8,314	43,708	5.3	21,306	0.5	2.6
1970-71						
1971-72						
1972-73	8,763	80,828	9.2	26,339	0.3	3.0
1973-74						
1974-75						
1975-76	9,777	45,699	4.7	18,568	0.4	1.9
1976-77						
1977-78						
1978-79						
1979-80	5,010	72,566	14.5	8,670	0.1	1.7
1980-81	4,427	35,912	8.1	7,565	0.2	1.7
1981-82	4,628	84,401	18.2	15,069	0.2	3.3
1982-83	4,119	46,658	11.3	9,658	0.2	2.3
1983-84	2,460	22,731	9.2	3,585	0.2	1.5
1984-85	3,015	41,943	13.9	6,255	0.1	2.1
1985-86	3,256	21,129	6.5	6,533	0.3	2.0
1986-87	2,014	23,533	11.7	3,040	0.1	1.5
1987-88	3,262	22,488	6.9	6,563	0.3	2.0
1988-89	1,495	9,699	6.5	1,626	0.2	1.1
1989-90	1,587	9,518	6.0	1,177	0.1	0.7
1990-91	1,000	7,600	7.6	1,000	0.1	1.0
1991-92	1,300	25,700	19.8	1,200	0.0	0.9
1992-93	400	2,800	7.0	200	0.1	0.5
1993-94	1,400	7,300	5.2	1,000	0.1	0.7
1994-95	1,100	37,000	33.6	1,900	0.1	1.7
1995-96	2,400	10,500	4.4	8,600	0.8	3.6
1996-97	1,800	15,900	8.8	700	0.0	0.4
1997-98	1,900	9,100	4.8	1,300	0.1	0.7
1998-99	1,500	13,300	8.9	1,200	0.1	0.8
1999-00	1,600	21,200	13.3	700	0.3	0.4
2000-01	1,600	10,200	6.4	1,500	0.1	0.9
2001-02	1,900	11,300	5.9	2,200	0.2	1.2
2002-03	1,800	18,300	10.1	4,200	0.2	2.3
2003-04	2,000	10,600	5.3	2,300	0.2	1.2

ALABAMA HUNTING SURVEY ESTIMATES
COYOTE

Year	Hunters	Man-Days	Average Man-Days	Harvest	Per Man- Days	Harvest Per Hunter
1983-84	5,708	41,081	7.2	9,655	0.2	1.7
1984-85	5,717	37,697	6.6	5,854	0.2	1.0
1985-86	7,046	41,781	5.9	5,264	0.1	0.7
1986-87	7,648	48,796	6.4	10,995	0.2	1.4
1987-88	12,355	72,573	5.9	13,137	0.2	1.1
1988-89	7,241	49,323	6.8	11,766	0.2	1.6
1989-90	8,730	73,612	8.4	11,364	0.2	1.3
1990-91	11,900	76,300	6.4	21,100	0.3	1.8
1991-92	11,000	96,400	8.8	13,200	0.1	1.2
1992-93	11,100	78,700	7.1	12,100	0.2	1.1
1993-94	12,300	80,500	6.5	18,900	0.2	1.5
1994-95	10,200	113,800	11.2	20,800	0.2	2.0
1995-96	15,500	71,400	4.6	28,900	0.4	1.9
1996-97	17,800	120,500	6.8	30,800	0.3	1.7
1997-98	16,600	80,500	4.8	23,400	0.3	1.4
1998-99	15,400	90,600	5.9	30,800	0.3	2.0
1999-00	15,900	118,000	7.4	22,700	0.2	1.4
2000-01	15,100	66,500	4.4	19,900	0.3	1.3
2001-02	17,500	63,800	3.6	31,400	0.5	1.8
2002-03	15,700	131,800	8.4	26,600	0.2	1.7
2003-04	17,300	210,900	12.2	28,700	0.1	1.7

ALABAMA HUNTING SURVEY ESTIMATES
NUTRIA

YEAR	HUNTERS	MAN-DAYS	AVERAGE MAN-DAYS	HARVEST	HARVEST PER MAN-DAY	HARVEST PER HUNTER
1963-64	999	2,880	2.9	8,776	3.0	8.8
1964-65	1,306	1,640	1.3	6,980	4.3	5.3
1965-66	885	2,805	3.2	8,628	3.1	9.7
1966-67	1,239	5,516	4.5	17,172	3.1	13.9
1967-68						
1968-69						
1969-70	1,355	2,188	1.6	6,020	2.8	4.4
1970-71						
1971-72						
1972-73	1,166	59,160	50.7	29,072	0.5	24.9
1973-74						
1974-75						
1975-76	745	1,046	1.4	4,563	4.4	6.1
1976-77						
1977-78						
1978-79						
1979-80	360	1,664	4.6	2,205	1.3	6.1
1980-81	458	1,288	2.8	2,259	1.8	4.9
1981-82	160	1,039	6.5	1,124	1.1	7.0
1982-83	417	2,539	6.1	2,247	0.9	5.4
1983-84	307	346	1.1	1,288	3.7	4.2
1984-85	305	2,034	6.7	2,541	1.2	8.3
1985-86	803	1,767	2.2	4,142	2.3	5.2
1986-87	445	2,104	4.7	4,831	2.3	10.9
1987-88	386	928	2.4	505	0.5	1.3
1988-89	513	2,886	5.6	1,085	0.4	2.1
1989-90	602	1,979	3.3	2,320	1.2	3.9
1990-91	1,400	16,100	11.5	2,900	0.2	2.1
1991-92	300	600	2.0	800	1.3	2.7
1992-93	400	1,700	4.3	2,300	1.4	5.8
1993-94	600	2,500	4.2	2,600	1.0	4.3
1994-95	200	500	2.5	1,100	2.2	5.5
1998-99	300	2,400	8.0	700	0.3	2.3

ALABAMA HUNTING SURVEY ESTIMATES
BOBCAT

Year	Hunters	Man-Days	Average Man-Days	Harvest	Man-Days Per Harvest	Harvest Per Hunter
2001-02	3,700	16,400	4.4	4,100	4.0	1.1
2002-03	4,300	40,600	9.5	4,600	8.8	1.1
2003-04	7,000	58,600	8.4	7,900	7.4	1.1

ALABAMA HUNTING SURVEY ESTIMATES
DUCK

Year	Hunters	Man-Days	Average Man-Days	Harvest	Per Man- Day	Harvest Per Hunter
1963-64	21,610	92,087	4.3	92,870	1.0	4.3
1964-65	21,491	83,226	3.9	65,823	0.8	3.1
1965-66	21,311	84,232	4.0	101,619	1.2	4.8
1966-67	24,585	153,875	6.3	191,968	1.2	7.8
1967-68	20,284	99,556	4.9	124,981	1.3	6.2
1968-69	12,804	80,729	6.3	114,659	1.4	9.0
1969-70	25,872	106,533	4.1	138,975	1.3	5.4
1970-71	23,640	124,825	5.3	178,429	1.4	7.5
1971-72	21,264	99,645	4.7	129,598	1.3	6.1
1972-73	24,770	128,082	5.2	143,382	1.1	5.8
1973-74	19,444	101,159	5.2	136,269	1.3	7.0
1974-75	23,446	120,942	5.2	158,974	1.3	6.8
1975-76	27,723	133,935	4.8	135,039	1.0	4.9
1976-77	27,352	138,500	5.1	201,424	1.5	7.4
1977-78	28,661	151,654	5.3	203,920	1.3	7.1
1978-79	26,011	138,448	5.3	184,455	1.3	7.1
1979-80	22,677	107,056	4.7	126,160	1.2	5.6
1980-81	21,540	120,756	5.6	155,411	1.3	7.2
1981-82	20,008	128,591	6.4	159,758	1.2	8.0
1982-83	17,813	118,866	6.7	157,383	1.3	8.8
1983-84	16,382	108,080	6.6	152,012	1.4	9.3
1984-85	19,103	137,940	7.2	182,739	1.3	9.6
1985-86	17,949	90,611	5.0	110,686	1.2	6.2
1986-87	16,030	101,402	6.3	146,915	1.4	9.2
1987-88	11,437	60,922	5.3	77,770	1.3	6.8
1988-89	10,088	56,584	5.6	57,783	1.0	5.7
1989-90	12,398	64,509	5.2	89,182	1.4	7.2
1990-91	10,900	69,700	6.4	93,200	1.3	8.6
1991-92	8,600	52,000	6.0	68,500	1.3	8.0
1992-93	10,600	71,800	6.8	98,300	1.4	9.3
1993-94	11,300	71,900	6.4	94,800	1.3	8.4
1994-95	10,700	82,200	7.7	100,900	1.2	9.4
1995-96	15,700	127,500	8.1	220,700	1.7	14.1
1996-97	15,900	121,600	7.6	157,700	1.3	9.9
1997-98	15,800	132,500	8.4	164,800	1.2	10.4
1998-99	19,300	141,200	7.3	230,700	1.6	12.0
1999-00	16,600	131,000	7.9	187,700	1.4	11.3
2000-01	19,400	138,700	7.1	219,100	1.6	11.3
2001-02	22,500	175,600	6.8	209,400	1.2	9.3
2002-03	17,700	123,400	7.0	160,300	1.3	9.1
2003-04	21,800	192,000	8.8	233,800	1.2	10.7

ALABAMA HUNTING SURVEY ESTIMATES
GOOSE

Year	Hunters	Man-Days	Average Man-Days	Harvest	Harvest Per Man-Day	Harvest Per Hunter
1963-64	4,644	6,419	1.4	7,845	1.2	1.7
1964-65	4,381	22,852	5.2	2,387	0.1	0.5
1965-66	3,432	16,263	4.7	6,705	0.4	2.0
1966-67	4,864	21,758	4.5	7,935	0.4	1.6
1967-68	6,229	22,941	3.7	4,625	0.2	0.7
1968-69	5,123	29,297	5.7	3,005	0.1	0.6
1969-70	6,845	28,089	4.1	14,263	0.5	2.1
1970-71	5,020	18,632	3.7	4,421	0.2	0.9
1971-72	3,184	8,601	2.7	4,453	0.5	1.4
1972-73	2,446	25,016	10.2	8,545	0.3	3.5
1973-74	2,488	19,958	8.0	8,563	0.4	3.4
1974-75	3,543	25,156	7.1	2,575	0.1	0.7
1975-76	4,606	33,667	7.3	4,048	0.1	0.9
1976-77	3,040	11,428	3.8	4,115	0.4	1.4
1977-78	4,165	16,360	3.9	5,580	0.3	1.3
1978-79	2,962	21,028	7.1	2,663	0.1	0.9
1979-80	3,055	9,707	3.2	1,820	0.2	0.6
1980-81	3,218	14,194	4.4	3,535	0.2	1.1
1981-82	2,447	12,557	5.1	2,149	0.2	0.9
1982-83	2,116	16,531	7.8	1,219	0.1	0.6
1983-84	2,872	18,794	6.5	3,517	0.2	1.2
1984-85	2,641	18,015	6.8	3,157	0.2	1.2
1985-86	3,461	15,511	4.5	3,111	0.2	0.9
1986-87	3,007	20,505	6.8	2,109	0.1	0.7
1987-88	1,595	8,468	5.3	2,214	0.3	1.4
1988-89	1,900	9,841	5.2	2,095	0.2	1.1
1989-90	3,095	17,103	5.5	8,787	0.5	2.8
1990-91	4,300	31,000	7.2	15,500	0.5	3.6
1991-92	3,100	11,100	3.6	3,700	0.3	1.2
1992-93	2,200	11,700	5.3	2,800	0.2	1.3
1993-94	1,300	11,100	8.5	7,000	0.6	5.4
1994-95	3,200	17,100	5.3	5,000	0.3	1.6
1995-96	4,400	34,800	7.9	9,500	0.3	2.2
1996-97	3,000	10,800	3.6	3,900	0.4	1.3
1997-98	4,500	30,900	6.9	4,700	0.2	1.0
1998-99	4,300	28,600	6.6	4,300	0.2	1.0
1999-00	4,100	19,000	4.6	9,100	0.5	2.2
2000-01	3,100	17,300	5.6	6,000	0.3	1.9
2001-02	5,400	29,700	5.5	14,700	0.5	2.7
2002-03	3,600	24,800	7.0	4,800	0.2	1.3
2003-04	5,900	35,700	6.1	10,000	0.3	1.7

ALABAMA HUNTING SURVEY ESTIMATES
COOT

Year	Hunters	Man-Days	Average Man-Days	Harvest	Per Man- Day	Harvest Per Hunter
1963-64	1,522	6,419	4.2	22,332	3.5	14.7
1964-65	1,016	5,722	5.6	12,222	2.1	12.0
1965-66	3,123	17,723	5.7	41,997	2.4	13.4
1966-67						
1967-68						
1968-69						
1969-70	2,627	7,300	2.8	20,734	2.8	7.9
1970-71						
1971-72						
1972-73	2,383	25,574	10.7	51,027	2.0	21.4
1973-74						
1974-75						
1975-76	3,788	19,014	5.0	33,443	1.8	8.8
1976-77						
1977-78						
1978-79						
1979-80	1,582	6,686	4.2	7,276	1.1	4.6
1980-81	1,000	4,886	4.9	12,435	2.5	12.4
1981-82	837	3,857	4.6	6,609	1.7	7.9
1982-83	2,210	8,419	3.8	52,487	6.2	23.7
1983-84	1,139	5,289	4.6	16,303	3.1	14.3
1984-85	1,187	5,107	4.3	16,874	3.3	14.2
1985-86	1,236	6,994	5.7	21,463	3.1	17.4
1986-87	1,049	11,739	11.2	18,435	1.6	17.6
1987-88	695	2,649	3.8	1,665	0.6	2.4
1988-89	634	3,931	6.2	2,266	0.6	3.6
1989-90	545	3,196	5.9	3,964	1.2	7.3
1990-91	1,000	6,500	6.5	9,500	1.5	9.5
1991-92	200	200	1.0	300	1.5	1.5
1992-93	700	800	1.1	1,900	2.4	2.7
1993-94	400	1,900	4.8	2,500	1.3	6.3
1994-95	200	600	3.0	900	1.5	4.5
1995-96	700	6,300	9.0	4,500	0.7	6.4
1996-97	1,000	7,600	7.6	12,000	1.6	12.0
1997-98	1,000	6,300	6.3	4,400	0.7	4.4
1998-99	1,300	3,300	2.5	8,000	2.4	6.1
1999-00	900	5,900	6.6	3,500	0.6	3.9
2000-01	700	5,200	7.4	7,100	1.4	10.1
2001-02	800	10,300	12.9	8,000	1.3	10.0
2002-03	100	600	5.6	600	1.0	5.5
2003-04	400	2,800	7.1	2,000	0.7	5.0

ALABAMA HUNTING SURVEY ESTIMATES
SNIPE

Year	Hunters	Man-Days	Average Man-Days	Harvest	Harvest Per Man-Day	Harvest Per Hunter
1963-64	6,244	25,735	4.1	29,752	1.2	4.8
1964-65	5,471	21,730	4.0	26,260	1.2	4.8
1965-66	5,253	33,410	6.4	30,708	0.9	5.8
1966-67	8,747	49,958	5.7	60,868	1.2	7.0
1967-68						
1968-69						
1969-70	7,657	20,284	2.6	38,510	1.9	5.0
1970-71						
1971-72						
1972-73	6,194	19,099	3.1	34,950	1.8	5.6
1973-74						
1974-75						
1975-76	8,969	25,100	2.8	76,528	3.0	8.5
1976-77						
1977-78						
1978-79						
1979-80	5,356	18,676	3.5	23,960	1.3	4.5
1980-81	5,333	22,292	4.2	38,457	1.7	7.2
1981-82	4,434	14,738	3.3	20,589	1.4	4.6
1982-83	2,310	4,626	2.0	9,924	2.1	4.3
1983-84	2,765	10,755	3.9	27,995	2.6	10.1
1984-85	1,885	7,999	4.2	16,537	2.1	8.8
1985-86	2,537	6,099	2.4	11,140	1.8	4.4
1986-87	1,531	5,488	3.6	4,902	0.9	3.2
1987-88	1,438	8,611	6.0	11,654	1.4	8.1
1988-89	1,066	4,956	4.6	4,565	0.9	4.3
1989-90	1,312	8,727	6.7	10,560	1.2	8.0
1990-91	1,300	3,900	3.0	5,000	1.3	3.8
1991-92	1,200	6,000	5.0	5,300	0.9	4.4
1992-93	700	5,900	8.4	2,400	0.4	3.4
1993-94	700	4,700	6.7	8,800	1.9	12.6
1994-95	300	600	2.0	1,900	3.2	6.3
1995-96	900	3,100	3.4	1,600	0.5	1.8
1996-97	1,300	5,200	4.0	6,200	1.2	4.8
1997-98	400	2,600	6.5	1,800	0.7	4.5
1998-99	400	800	2.0	2,100	2.6	5.3
1999-00	800	2,200	2.8	2,800	1.3	3.5
2000-01	800	1,800	2.2	3,800	2.1	4.8
2001-02	1,100	1,700	1.5	3,700	2.2	3.4
2002-03	400	1,100	2.7	2,400	2.2	6.2
2003-04	700	3,500	5.0	2,200	0.6	3.1

ALABAMA HUNTING SURVEY ESTIMATES
WOODCOCK

Year	Hunter	Man-Days	Average Man-Days	Harvest	Harvest Per Man-Day	Harvest Per Hunter
1963-64	4,528	23,540	5.2	21,832	0.9	4.8
1964-65	4,087	17,918	4.4	11,103	0.6	2.7
1965-66	3,720	23,668	6.4	13,799	0.6	3.7
1966-67	4,496	26,312	5.9	22,631	0.9	5.0
1967-68						
1968-69						
1969-70	7,342	26,133	3.6	34,450	1.3	4.7
1970-71						
1971-72	6,035	24,034	4.0	26,057	1.1	4.3
1972-73	6,888	38,197	5.5	32,882	0.9	4.8
1973-74	6,178	32,776	5.3	37,045	1.1	6.0
1974-75	8,390	43,109	5.1	34,709	0.8	4.1
1975-76	7,003	33,211	4.7	24,372	0.7	3.5
1976-77	7,365	29,962	4.1	41,434	1.4	5.6
1977-78	7,207	24,652	3.4	40,327	1.6	5.6
1978-79	4,940	24,394	4.9	23,188	1.0	4.7
1979-80	6,035	18,351	3.0	25,355	1.4	4.2
1980-81	6,874	32,115	4.7	32,804	1.0	4.8
1981-82	4,445	17,593	4.0	21,323	1.2	4.8
1982-83	3,605	12,107	3.4	10,628	0.9	2.9
1983-84	2,368	6,196	2.6	8,559	1.4	3.6
1984-85	1,972	7,815	4.0	7,701	1.0	3.9
1985-86	2,673	6,779	2.5	8,617	1.3	3.2
1986-87	1,564	5,781	3.7	5,165	0.9	3.3
1987-88	1,923	4,032	2.1	6,812	1.7	3.5
1988-89	1,141	7,260	6.4	3,778	0.5	3.3
1989-90	1,088	9,157	8.4	3,937	0.4	3.6
1990-91	1,300	3,000	2.3	3,700	1.2	2.8
1991-92	800	2,300	2.9	2,500	1.1	3.1
1992-93	600	1,400	2.3	2,100	1.5	3.5
1993-94	1,200	4,100	3.4	900	0.2	0.8
1994-95	700	2,200	3.1	1,300	0.6	1.9
1995-96	900	3,100	3.4	1,600	0.5	1.8
1996-97	1,000	4,300	4.3	1,600	0.4	1.6
1997-98	800	2,600	3.2	2,300	0.9	2.9
1998-99	500	600	1.2	1,100	1.8	2.2
1999-00	1,100	2,200	2.0	3,400	1.5	3.1
2000-01	300	800	2.7	1,100	1.4	3.7
2001-02	500	2,200	4.4	300	0.1	0.6
2002-03	600	7,500	12.9	2,100	0.3	3.6
2003-04	400	700	1.9	900	1.3	2.2

ALABAMA HUNTING SURVEY ESTIMATES
WILD HOGS

Year	Hunters	Man-Days	Average Man-Days	Harvest	Per Man- Day	Harvest Per Hunter
1995-96	13,500	94,400	7.0	12,500	0.1	0.9
1996-97	12,700	70,800	5.6	16,000	0.2	1.3
1997-98	13,800	88,500	6.4	28,000	0.3	2.0
1998-99	16,000	109,100	6.8	28,100	0.3	1.8
1999-00	15,500	89,600	5.8	31,500	0.4	2.0
2000-01	16,600	120,100	7.2	26,600	0.2	1.6
2001-02	14,900	72,400	4.9	18,500	0.3	1.2
2002-03	15,400	120,500	7.8	40,700	0.3	2.6
2003-04	20,800	251,400	12.1	39,700	0.2	1.9